

Alastair J.J. Wood

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Vanderbilt University School of Medicine
Nashville, Tennessee 37232-6602

Present Appointments:

Assistant Vice Chancellor
Vanderbilt University, Nashville, Tennessee
Professor of Medicine
Professor of Pharmacology
Vanderbilt University, Nashville, Tennessee
Attending Physician, Vanderbilt University Hospital, Nashville, Tennessee

Honors and Awards

Association of American Physicians (AAP)
American Society for Clinical Investigation (ASCI)
Henry Christian AFRC Award for Excellence in Research, 1991
Fellow, American College of Physicians
Fellow, Royal College of Physicians, London
Fellow, Royal College of Physicians, Edinburgh
Fellow-Council for High Blood Pressure Research; American Heart Association
Pharmaceutical Manufacturer's Association Foundation Faculty Development Award in
Clinical Pharmacology
Merck Sharp and Dohme International Fellow in Clinical Pharmacology
William McCunn Traveling Fellowship
Dr. R.D. Campbell Memorial Prize
Sir James McKenzie Prize

Editorial Boards:

New England Journal of Medicine - "Drug Therapy Series" - **Editor**, 1992-Present
- "Drug Therapy Series" - **Associate Editor**, 1985-1991
Clinical Pharmacology and Therapeutics (Editorial Board)
Biopharmaceutics & Drug Disposition (Editorial Board)
British Journal of Clinical Pharmacology (Executive Editorial Board)

Food and Drug Administration

Member, Nonprescription Drugs Advisory Committee (2001-Present)
Member, Cardiovascular and Renal Drugs Advisory Committee (1992-1996)

National Institutes of Health Study Section

Member Gerontology and Geriatrics Study Section (1984-1988)
Chairman Gerontology and Geriatrics Study Section (1988-1989)

AAMC

Task Force on Conflicts of Interest--Member

National Institutes of Health (NHLBI)

Member NHLBI Task Force on Hypertension - Clinical Investigation Study Group (1990)

United States Pharmacopoeial (USP) Convention

Advisory Board on Geriatrics (1990-Present)

American Federation for Clinical Research

Councilor Southern Section 1983-1986

Federation of American Societies for Experimental Biology (FASEB)

Member Scientific Advisory Committee for project on The Impact of Antihypertensive Drugs 1994-1996

American Society for Pharmacology and Experimental Therapeutics

Member Clinical Pharmacology Executive Committee 1995-

American Society for Clinical Pharmacology and Therapeutics

Member Nominating Committee 1995-
Member Executive Committee 1996-
Vice Chairman, Program Committee 1996-1997
Chairman, Program Committee 1997-1998

Merck Foundation

Selection Committee for International Fellowships in Clinical Pharmacology:
Member-1994-2000

Selection Committee for International Fellowships in Clinical Pharmacology:
Chairman-1996-2000

American Federation for Aging Research

Selection Committee for Fellowships in Clinical Pharmacology C1992B Present

American Board of Clinical Pharmacology

Member of Board 1996-
Member of Credentials Committee 1996-
Chairman Credentials Committee 1999- present

National Institute of General Medical Sciences

Review Committee Member

Societies:

Fellow, American College of Physicians
American Society for Clinical Investigation
American Federation for Clinical Research
Northern Society for Clinical Investigation
American Society for Pharmacology and Experimental Therapeutics
American Society for Clinical Pharmacology and Therapeutics
New York Academy of Sciences
Fellow, American College of Clinical Pharmacology
British Pharmacological Society
Fellow, Royal College of Physicians of London
Fellow, Royal College of Physicians of Edinburgh
Fellow, The American Heart Association Council for High Blood Pressure Research
The American Heart Association Council for Basic Science
The American Heart Association Council on the Circulation

Hospital

Vanderbilt Hospital Medical Board-Member Executive Committee (1989-1996)
Vanderbilt Hospital Quality Review Committee (Chairman 1989-1996)
Vanderbilt University Medical Center - Self-Insurance (malpractice) Trust Committee (1994-1996)
Vanderbilt Institutional Review Board (Chairman 1983-1985)
Committee on Toxic Hazards
Search Committee for Chair of General Internal Medicine
Conflict of Interest Committee

Specialist Certification

(Internal Medicine)

Member of the Royal College of Physicians (UK) (by examination)

(Clinical Pharmacology)

American Board of Clinical Pharmacology (By Examination)

(Hypertension)

American Society of Hypertension-Specialist in Hypertension

Education:

St. Andrew's University/Dundee Medical School

University of St. Andrew's

First Place in Class Certification: Physics, Clinical Pathology, Social and Occupational Medicine

Second Class Honours Certificates: Chemistry, Biology and Physiology

Degree Merits: Physics, Chemistry, Social and Occupational Medicine

Qualifications: M.B., Ch.B., St. Andrew's University and Dundee Medical School
Member of Royal College of Physicians (United Kingdom)

Previous Appointments:

House Surgeon, Bridge of Earn Hospital

House Physician, Maryfield Hospital, Dundee (Professor Crooks)

World Health Organization, Research Fellow in Drug Monitoring, Dundee University

Registrar Department of Therapeutics, Dundee University

Lecturer in Therapeutics and Pharmacology, Dundee University and Senior Medical Registrar, Dundee Teaching Hospitals

Research Fellow in Clinical Pharmacology, Division of Clinical Pharmacology, Vanderbilt University, Nashville, Tennessee

Assistant Professor of Medicine; Assistant Professor of Pharmacology, Vanderbilt University, Nashville, Tennessee

Associate Professor of Medicine, Associate Professor of Pharmacology, Vanderbilt University, Nashville, Tennessee

search Interests

Molecular Genetics of Adrenergic Receptors
Ethnic Differences in Drug Response
Vascular Response
Drug Metabolism and Disposition

Patents Held

Antiviral Therapy Use of P-Glycoprotein Modulators: US Patent Application No. 09/370266.
Antiviral Therapy Use of P-Glycoprotein Modulators: Thai Patent No. 059489.
Antiviral Therapy Use of P-Glycoprotein Modulators; Nigerian Patent No. RP. 14,300.
Antiviral Therapy Use of P-Glycoprotein Modulators; European Patent No. 1202737.

Method of Evaluating Immunosuppressive Regimens; U.S. Patent No. 6,329,153.

Original Investigations

1. Wood AJJ Moir DC Campbell C Davidson JF Gallon SC Henney E McAllion S: Medicines evaluation and monitoring group: Central nervous system effects of pentazocine. British Medical Journal 1:305-307, 1974.
2. Brodlie P Henney C Wood AJJ: Problems of administering drugs by continuous infusion. British Medical Journal 1:383-385, 1974.
3. Moir DC Wood AJJ Davidson JF Gallon SC: Levodopa and positive direct antiglobulin tests. British Journal of Clinical Pharmacology 2:173, 1975.
4. Gerber JC McDonald JS Harbison RD Villeneuve JP Wood AJJ Nies AS: Effect of N-acetylcysteine on hepatic covalent binding of paracetamol (acetaminophen). Lancet 1:657-658, 1977.
5. O'Malley K Stevenson IH Ward CA Wood AJJ Crooks J: Determinants of anticoagulant control in patients receiving warfarin. British Journal of Clinical Pharmacology 4:309-314, 1977.
6. Kornhauser DM Wood AJJ Vestal RE Wilkinson GR Branch RA Shand DG: Biological determinants of propranolol disposition in man. Clinical Pharmacology and Therapeutics 23:165-174, 1978.
- Wood AJJ Carr K Vestal RE Belcher S Wilkinson GR Shand DG: Direct measurement of propranolol bioavailability during accumulation to steady-state. British Journal of Clinical Pharmacology 6:345-350, 1978.
8. Wood AJJ Kornhauser DM Wilkinson GR Shand DG Branch RA: The influence of cirrhosis on steady state blood concentrations of unbound propranolol after oral administration. Clinical Pharmacokinetics 3:478-487, 1978.
9. Villeneuve JP Wood AJJ Shand DG Rogers L Branch RA: Impaired drug metabolism in experimental cirrhosis in the rat. Biochemical Pharmacology 27:2577-2581, 1978.
10. Wilkinson GR Wood AJJ Branch RA Shand DG: Intrinsic hepatic clearance in cirrhosis. Gastroenterology 75:347-348, 1978.
11. Vestal RE Wood AJJ Shand DG: Reduced beta-adrenoreceptor sensitivity in the elderly. Clinical Pharmacology and Therapeutics 26:181-186, 1979.
12. Wood AJJ Vestal RE Wilkinson GR Branch RA Shand DG: Effect of aging and cigarette smoking on antipyrine and indocyanine green elimination. Clinical Pharmacology and Therapeutics 26:16-20, 1979.
13. Vestal RE Wood AJJ Branch RA Shand DG Wilkinson GR: The effects of age and cigarette smoking on propranolol disposition. Clinical Pharmacology and Therapeutics 26:8-15, 1979.

- Wood M Shand DG Wood AJJ: Altered drug binding due to the use of indwelling heparinized cannulas (heparin-lock) for sampling. Clinical Pharmacology and Therapeutics 25:103-107, 1979.
15. Wood M Shand DG Wood AJJ: Propranolol binding in plasma during cardiopulmonary bypass. Anesthesiology 51:512-516, 1979.
16. Wood AJJ Villeneuve JP Branch RA Rogers LW Shand DG: Intact hepatocyte theory of impaired drug metabolism in experimental cirrhosis in the rat. Gastroenterology 76:1358-1362, 1979.
17. Batchelor ED O'Day DM Shand DG Wood AJJ: Interaction of topical and oral timolol in glaucoma. Ophthalmology 86:60-65, 1979.
18. Wood M Wood AJJ: Reduction of catheter-associated sepsis in parenteral nutrition using heparin. (Letter). British Medical Journal 2:611-2, 1979.
19. Desmond PV Roberts RK Wood AJJ Dunn GD Wilkinson GR Schenker S: Effect of heparin administration on plasma binding of benzodiazepines. British Journal of Clinical Pharmacology 9:171-175, 1980.
20. Wood M Shand DG Wood AJJ: The sympathetic response to profound hypothermia and circulatory arrest in infants. Canadian Anaesthetists Society Journal 27:125-131, 1980.
- Wood M Berman ML Harbison RD Hoyle P Phythyon JM Wood AJJ: Halothane-induced hepatic necrosis in triiodothyronine-pretreated rats. Anesthesiology 52:470-476, 1980.
22. Wood AJJ Robertson D Robertson RM Wilkinson GR Wood M: Elevated plasma free drug concentrations of propranolol and diazepam during cardiac catheterization. Circulation 62:1119-1122, 1980.
23. Wood AJJ Vestal RE Spannath CL Stone WJ Wilkinson GR Shand DG: Propranolol disposition in renal failure. British Journal of Clinical Pharmacology 10:561-566, 1980.
24. Wood M Wood AJJ: Changes in Plasma drug binding and alpha 1-acid glycoprotein in mother and newborn infant. Clinical Pharmacology and Therapeutics 29:522-526, 1981.
25. Fraser J Nadeau J Robertson D Wood AJJ: Regulation of human leukocyte beta receptors by endogenous catecholamines: Relationship of leukocyte beta-receptor density to the cardiac sensitivity to isoproterenol. Journal of Clinical Investigation 67:1777-1784, 1981.
26. Feely J Wilkinson GR Wood AJJ: Reduction of liver blood flow and propranolol metabolism by cimetidine. New England Journal of Medicine 304:692-695, 1981.
27. Leftwich RB Floro JF Neal RA Wood AJJ: Dinitrophenol poisoning: a diagnosis to consider in undiagnosed fever. Southern Medical Journal 75:182-184, 1982.

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30. Feely J Wood AJJ: Effects of cimetidine on the elimination and actions of ethanol in man. Journal of the American Medical Association 247:2819-2821, 1982.
31. Robertson RM Wood AJJ Vaughn WK Robertson D: Exacerbation of vasotonic angina pectoris by propranolol. Circulation 65:281-285, 1982.
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34. Wood M Stone WJ Wood AJJ: Plasma binding of pancuronium: Effects of age, sex and disease. Anesthesia and Analgesia 62:29-32, 1983.
- Feely J Wood AJJ: Effect of inhibitors of prostaglandin synthesis on hepatic drug clearance. British Journal of Clinical Pharmacology 15:109-111, 1983.
36. Feely J Nadeau J Wood AJJ: Effects of feeding on the systemic clearance of indocyanine green and propranolol blood concentrations and plasma binding. British Journal of Clinical Pharmacology 15:383-385, 1983.
37. Wells PG Feely J Wilkinson GR Wood AJJ: Effect of thyrotoxicosis on liver blood flow and propranolol disposition after long-term dosing. Clinical Pharmacology and Therapeutics 33:603-608, 1983.
38. Feely J Wood AJJ: Effect on apparent liver blood flow of histamine-receptor blockers and inhibition of prostaglandin synthesis. Clinical Pharmacology and Therapeutics 33:91-94, 1983.
39. Feldman RD Limbird LE Nadeau J FitzGerald GA Robertson D Wood AJJ: Dynamic regulation of leukocyte beta adrenergic receptor agonist interactions by physiological changes in circulating catecholamines. Journal of Clinical Investigation 72:164-170, 1983.
40. Uetrecht J Wood AJJ Phythyon JM Wood M: Contrasting effects on halothane hepatotoxicity in the phenobarbital-hypoxia and triiodothyronine model: Mechanistic implications. Anesthesiology 59:196-201, 1983.
- Herman RJ Nakamura K Wilkinson GR Wood AJJ: Induction of propranolol metabolism by rifampicin. British Journal of Clinical Pharmacology 16:565-569, 1983.

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43. Riddell JG McAllister CB Wilkinson GR Wood AJJ Roden DM: A new method for constant plasma drug concentrations: application to lidocaine. Annals of Internal Medicine 100:25-28, 1984.
44. Dawson AK Reece SB Wood AJJ Duff H Woosley RL Smith RF: Electrophysiological effects of high-dose propranolol in dogs: Evidence *in vivo* for effects not mediated by the β -adrenoreceptor. Journal of Pharmacology and Experimental Therapeutics 229:91-97, 1984.
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47. Wood M Wood AJJ: Contrasting effects of halothane, isoflurane and enflurane on *in vivo* drug metabolism in the rat. Anesthesia and Analgesia 63:709-714, 1984.
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50. Reilly CS Wood AJJ Wood M: Variability of fentanyl kinetics in man: Computer predicted plasma concentrations for three intravenous dosage regimens. Anaesthesia 40:837-843, 1985.
51. Reilly CS Wood M Koshakji RP Wood AJJ: Ultra-short-acting beta-blockade: a comparison with conventional beta-blockade. Clinical Pharmacology and Therapeutics 38:579-585, 1985.
52. Wright JT Jr Goodman RP Gorwit J Flamenbaum W Mroczek W Reeves RL Carr AA Prisant LM Wood AJJ Nadeau J Calderone P Jogklekar S Lenzi R: Combined labetalol and hydrochlorothiazide therapy in hypertension. Clinical Pharmacology and Therapeutics 38:24-27, 1985.
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56. Wood M Uetrecht J Phythyon JM Shay S Sweetman BJ Shaheen O Wood AJJ: The effect of cimetidine on anesthetic metabolism and toxicity. Anesthesia and Analgesia 65:481-488, 1986.
57. Bergstrand RH Wang T Roden DM Stone WJ Wolfenden HT Woosley RL Wilkinson GR Wood AJJ: Encainide disposition in patients with renal failure. Clinical Pharmacology and Therapeutics 40:64-70, 1986.
58. Bergstrand RH Wang T Roden DM Avant GR Sutton WW Siddoway LA Wolfenden H Woosley RL Wilkinson GR Wood AJJ: Encainide disposition in patients with chronic cirrhosis. Clinical Pharmacology and Therapeutics 40:148-154, 1986.
59. Reilly CS Biollaz J Koshakji RP Wood AJJ: Enprostil, in contrast to cimetidine, does not inhibit propranolol metabolism. Clinical Pharmacology and Therapeutics 40:37-41, 1986.
60. Shaheen O Patel J Avant GR Hamilton M Wood AJJ: Effect of cirrhosis and debrisoquine phenotype on the disposition and effects of pinacidil. Clinical Pharmacology and Therapeutics 40:650-655, 1986.
- Gordon L Wood AJJ Koshakji RP Wilkinson GR Dupont WD Wood M: Acute effects of halothane anesthesia on arterial and venous concentrations of propranolol in the dog. Anesthesiology 67:225-230, 1987.
62. Jones LG Gray ME Wood AJJ LeQuire VS: Beta-adrenergic receptor properties of pulmonary alveolar type II cell preparation from the adult rat. Lung 165:201-211, 1987.
63. Wood M Hyman S Wood AJJ: A clinical study of sensitivity to sodium nitroprusside during controlled hypotensive anesthesia in young and elderly patients. Anesthesia and Analgesia 66:132-136, 1987.
64. Koshakji RP Wood AJJ: Improved high-performance liquid chromatographic method for the simultaneous determination of propranolol and 4-hydroxypropranolol in plasma with fluorescence detection. Journal of Chromatography 422:294-300, 1987.
65. Reilly CS Merrell J Wood AJJ Koshakji RP Wood M: Comparison of the effects of isoflurane or fentanyl-nitrous oxide anaesthesia on propranolol disposition in dogs. British Journal of Anaesthesia 60:791-796, 1988.
66. Naslund TC Merrell WJ Nadeau JH Wood AJJ: Alpha-adrenergic blockade makes minimal contribution to ketanserin's hypotensive effect. Clinical Pharmacology and Therapeutics 44:699-703 1988.

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68. Prakash C Koshakji RP Wood AJJ Blair IA: Simultaneous determination of propranolol enantiomers in plasma by high performance liquid chromatography with fluorescence detection. Journal of Pharmacological Sciences 78:771-775, 1989.
69. Zhou HH Silberstein DJ Koshakji RP Wood AJJ: Interindividual differences in beta-receptor density contribute to variability in response to beta-adrenoreceptor antagonists. Clinical Pharmacology and Therapeutics 45:587-592, 1989.
70. Anthony L Koshakji RP Wood AJJ: Multiple pathways of propranolol's metabolism are inhibited by debrisoquine. Clinical Pharmacology and Therapeutics 46:297-300, 1989.
71. Bullington J Perry SM Rigby J Pinkerton M Rogers D Lewis TC Preganz P Wood AJJ Wood M: The effect of advancing age on the sympathetic response to laryngoscopy and endotracheal intubation. Anesthesia and Analgesia 68:603-608, 1989.
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- Zhou HH Koshakji RP Silberstein DJ Wilkinson GR Wood AJJ: Racial Differences in Drug Response: Altered sensitivity to and clearance of propranolol in men of Chinese descent as compared with American whites. New England Journal of Medicine 320:565-570, 1989.
74. Kroemer HK Funck-Brentano C Silberstein DJ Wood AJJ Eichelbaum M Woosley RL Roden DM: Stereoselective disposition and pharmacological activity of propafenone enantiomers. Circulation 79:1068-1076, 1989.
75. Whelan E Wood AJJ Shay S Wood M: Lack of effect of spinal anesthesia on drug metabolism. Anesthesia and Analgesia 69:307-312, 1989.
76. Shaheen O Biollaz J Koshakji RP Wilkinson GR Wood AJJ: Influence of debrisoquine phenotype on the inducibility of propranolol metabolism. Clinical Pharmacology and Therapeutics 45:439-443, 1989.
77. Rigby JW Wood AJJ: Use of N-ethylmaleimide to directly determine the proportion of beta-adrenergic receptors exhibiting high affinity for agonists on human mononuclear leukocyte membranes. Biochemical Pharmacology 38:2755-2761, 1989.
78. Naslund T Silberstein DJ Merrell WJ Nadeau JH Wood AJJ: Low sodium intake corrects abnormality in beta-receptor-mediated arterial vasodilation in patients with hypertension: correlation with beta-receptor function *in vitro*. Clinical Pharmacology and Therapeutics 48:87-95, 1990.

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80. Murray KT Reilly C Koshakji RP Roden DM Lineberry MD Wood AJJ Siddoway LA Barbey JT Woosley RL: Suppression of ventricular arrhythmias in man by dextro-propranolol independent of beta-adrenergic receptor blockade. Journal of Clinical Investigation 85:836-842, 1990.
81. Lee JT Kroemer HK Silberstein DJ Funck-Brentano C Lineberry MD Wood AJJ Roden DM Woosley RL: The role of genetically determined polymorphic drug metabolism in the beta-blockade produced by propafenone. The New England Journal of Medicine 322:1764-1768, 1990.
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86. Robin DW Hasan SS Lichtenstein MJ Shiavi RG Wood AJJ: Dose related effect of triazolam on postural sway. Clinical Pharmacology and Therapeutics 49:581-588, 1991.
87. Perry SM Whelan E Shay S Wood AJJ Wood M: Effect of I.V. Anaesthesia with propofol on drug distribution and metabolism in the dog. British Journal of Anaesthesia 66:66-72, 1991.
88. Zhou HH Wood AJJ: Increased suppression of exercise-induced Increase in renin by propranolol in Chinese subjects. Clinical Pharmacology and Therapeutics 50:150-156, 1991.
89. Deegan R He HB Wood AJJ Wood M: Effects of anesthesia on norepinephrine kinetics. Comparison of propofol and halothane anesthesia in dogs. Anesthesiology 75:481-488, 1991.
90. Bluhm RE Bobbitt RG Welch LW Wood AJJ Bonfiglio JF Sarzen C Heath AJ Branch RA: Elemental mercury vapour toxicity treatment, and prognosis after acute, intensive exposure in chloralkali plant workers. Part 1: History, neuropsychological findings and chelator effects. Human and Experimental Toxicology 11:201-210, 1992.
- Bluhm RE Breyer JA Bobbitt RG Welch LW Wood AJJ Branch RA: Elemental mercury vapor toxicity, treatment, and prognosis after acute, intensive exposure in chloralkali plant workers. Part II.

- Hyperchloraemia and genitourinary symptoms. Human and Experimental Toxicology 11:211-215, 1992.
92. Zhou HH Whelan E Wood AJJ: Lack of effect of aging on the stereochemical disposition of propranolol. British Journal of Clinical Pharmacology 33:121-123, 1992.
93. Edeki T Robin DW Prakash C Blair I Wood AJJ: Sensitive assay for triazolam in plasma following low oral doses. Journal of Chromatography 577:190-194, 1992.
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96. Zhou HH Adedoyin A Wood AJJ: Differing effect of atropine on heart rate in Chinese and white subjects. Clinical Pharmacology and Therapeutics 52:120-124, 1992.
97. Kinirons MT O'Shea D Downing TE Fitzwilliam AT Joellenbeck L Groopman JD Wilkinson GR Wood AJJ: Absence of correlations among three putative *in vivo* probes of human cytochrome P4503A activity in young healthy men. Clinical Pharmacology and Therapeutics 54:621-629, 1993.
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99. Stein M Deegan R He HB Wood AJJ: Beta adrenergic receptor-mediated release of norepinephrine in the human forearm. Clinical Pharmacology and Therapeutics 54:58-64, 1993.
100. Robin DW Hasan SS Lichtenstein MJ Shiavi RG Wood AJJ: Dose-related effect of triazolam on postural sway. Clinical Pharmacology Therapeutics 54:229-230, 1993.
101. Stein MS Deegan R Wood AJJ: Long term exposure to beta₂ receptor agonist specifically desensitizes beta-receptor-mediated venodilation. Clinical Pharmacology and Therapeutics 54:187-193, 1993.
102. Robin DW Lee MH Hasan SS Wood AJJ: Triazolam in cirrhosis: Pharmacokinetics and Pharmacodynamics. Clinical Pharmacology and Therapeutics 54:630-637, 1993.
103. Zhou HH Sheller JR He N Wood M Wood AJJ: Ethnic differences in response to morphine. Clinical Pharmacology and Therapeutics 54:507-513, 1993.

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105. He H Edeki T Wood AJJ: Determination of low plasma timolol concentrations following topical application of timolol eye drops in humans by HPLC with electrochemical detection. Journal of Chromatography, B 661:351-356, 1994.
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112. Deegan R He HB Krivoruk Y Wood AJJ Wood M: Regulation of norepinephrine release by beta 2-adrenergic receptors during halothane anesthesia. Anesthesiology 82:1417-1425, 1995.
113. Caraco Y Tateishi T Wood AJJ: Interethnic difference in omeprazole's inhibition of diazepam metabolism. Clinical Pharmacology and Therapeutics 58:62-72, 1995.
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121. Robin DW Hasan SS Edeki T Lichtenstein MJ Shiavi RG Wood AJJ: Increased baseline sway contributes to increased losses of balance in older people following triazolam. Journal of the American Geriatrics Society 44:300-304, 1996.
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123. Lang CC Stein CM He HB Wood AJJ: Angiotensin-converting enzyme inhibition and sympathetic activity in healthy subjects. Clinical Pharmacology and Therapeutics 59:668-74 1996.
124. Caraco Y Sheller J Wood AJJ: Pharmacogenetic determination of the effects of codeine and prediction of drug interactions. Journal of Pharmacology and Experimental Therapeutics 278: 1165-1174, 1996.
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